

MAR 23 2001
U.S. PATENT & TRADEMARK OFFICE
FORM PTO-1449

*Applicant's
Copy*
Sheet 1 of 8

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.
P1726R1PL

Serial No.
09/713,425

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date
DS	1 4,752,601	21.06.88	Hahn	—	—	
	2 5,348,876	20.09.94	Michaelsen et al.	—	—	
	3 5,624,821	29.04.97	Winter et al.	—	—	
	4 5,618,260	15.07.97	Winter et al.	—	—	
	5 5,698,449	15.12.97	Baumann et al.	—	—	
	6 5,736,137	07.04.98	Anderson et al.	—	—	
	7 5,935,599	16.11.99	McKenzie et al.	—	—	
	8 6,194,551 B1	27.02.01	Idusogie et al.	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Country	Class	Subclass	Translation Yes	No
DS	9 WO 90/09560	24.02.00	PCT	—	—		
	10 WO 98:07089	22.09.98	PCT	—	—		
	11 WO 94:29351	23.12.94	PCT	—	—		
	12 WO 97:28267	07.08.97	PCT	—	—		
	13 WO 97:44362	27.11.97	PCT	—	—		
	14 WO 98:23289	04.06.98	PCT	—	—		
	15 WO 98:52975	26.11.98	PCT	—	—		
	16 WO 99/43713	02.09.99	PCT	—	—		
	17 WO 99/51642	14.09.99	PCT	—	—		
	18 WO 99/58572	18.11.99	PCT	—	—		

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

DS	19 Allan and Isliker, "Studies on the complement-binding site of rabbit immunoglobulin G-I. Modification of tryptophan residues and their role in anticomplementary activity of rabbit IgG" <i>Immunochemistry</i> 11(4):175-180 (Apr 1974)
	20 Angal et al., "A single amino acid substitution abolishes the heterogeneity of chimeric mouse/human (IgG4) antibody" <i>Molecular Immunology</i> 30(1):105-108 (Jan 1993)
	21 Armour et al., "Recombinant human IgG molecules lacking Fcγ receptor I binding and monocyte triggering activities" <i>European Journal of Immunology</i> 29(8):2613-2624 (Aug 1999)
	22 Bloom et al., "Intrachain disulfide bond in the core hinge region of human IgG4" <i>Protein Science</i> 6:407-415 (1997)
	23 Bolland et al., "SHIP modulates immune receptor responses by regulating membrane association of Btk" <i>Immunity</i> 8(4):509-516 (Apr 1998)
	24 Bredius et al., "Role of neutrophil FcγRIIA (CD32) and FcγRIIB (CD16) polymorphic forms in phagocytosis of human IgG1- and IgG3-opsonized bacteria and erythrocytes" <i>Immunology</i> 83(4):624-630 (Dec 1994)
	25 Brekke et al., "Human IgG isotype-specific amino acid residues affecting complement-mediated cell lysis and phagocytosis" <i>European Journal of Immunology</i> 24(10):2542-2547 (Oct 1994)
	26 Burmeister et al., "Crystal structure of the complex of rat neonatal Fc receptor with Fc" <i>Nature</i> 372(6504):379-383 (Nov 24, 1994)

Examiner <i>David A. Deemster</i>	Date Considered <i>6/7/04</i>
--------------------------------------	----------------------------------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 PATENT & TRADEMARK OFFICE MAR 23 2001		U.S. Dept. of Commerce Patent and Trademark Office	Atty Docket No. P1726R1P1	Serial No. 09/713,725
LIST OF DISCLOSURES CITED BY APPLICANT (Use several sheets if necessary)		Applicant Presta, L.	Filing Date 1 st Nov 2000	TECHN. CENTER 1653 MAR 26 2001 RECEIVED U.S. PATENT AND TRADEMARK OFFICE 1000/2000
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)				
27	Burton and Woolf, "Human Antibody Effector Function" <u>Advances in Immunology</u> 51:1-84 (1992)			
28	Burton et al., "Molecular recognition of antibody (IgG) by cellular Fc receptor (FcRI)" <u>Molecular Immunology</u> 25(11):1175-1181 (1988)			
29	Burton et al., "The Clq receptor site on immunoglobulin G" <u>Nature</u> 288(5789):338-344 (Nov 17, 1980)			
30	Burton, D.R., "Immunoglobulin G: Functional Sites" <u>Molecular Immunology</u> 22(3):161-206 (1985)			
31	Canfield and Morrison, "The binding affinity of human IgG for its high affinity Fc receptor is determined by multiple amino acids in the C _g 2 domain and is modulated by the hinge region" <u>Journal of Experimental Medicine</u> 173(6):1483-1491 (Jun 1, 1991)			
32	Capel et al., "Heterogeneity of Human IgG Fc Receptors" <u>Immunochemistry</u> 4:25-34 (1994)			
33	Capon et al., "Designing CD4 Immunoadhesins for AIDS Therapy" <u>Nature</u> 337:525-531 (February 9, 1989)			
34	Carter et al., "Humanization of an anti-p185HER2 antibody for human cancer therapy" <u>Proc. Natl. Acad. Sci.</u> 89:4285-4289 (1992)			
35	Chappel et al., "Identification of Secondary Fc _y RI Binding Site within a Genetically Engineered Human IgG Antibody" <u>Journal of Biological Chemistry</u> 268:25124-25131 (1993)			
36	Chappel et al., "Identification of the Fc _y receptor class I binding site in human IgG through the use of recombinant IgG1/IgG2 hybrid and point-mutated antibodies" <u>Proc. Natl. Acad. Sci. USA</u> 88(20):9036-9040 (Oct 15, 1991)			
37	Clynes and Ravetch, "Cytotoxic antibodies trigger inflammation through Fc receptors" <u>Immunity</u> 3(1):21-26 (Jul 1995)			
38	Clynes et al., "Fc receptors are required in passive and active immunity to melanoma" <u>Proc. Natl. Acad. Sci. USA</u> 95(2):652-656 (Jan 20, 1998)			
39	Clynes et al., "Modulation of immune complex-induced inflammation in vivo by the coordinate expression of activation and inhibitory Fc receptors" <u>Journal of Experimental Medicine</u> 189(1):179-185 (Jan 4, 1999)			
40	Clynes et al., "Uncoupling of immune complex formation and kidney damage in autoimmune glomerulonephritis" <u>Science</u> 279(5353):1052-1054 (Feb 13, 1998)			
41	Cosimi, A.B., "Clinical Development of ORTHOCLOONE OKT3" <u>Transplantation Proceedings</u> (Suppl 1) XIX(2):7-16 (Apr 1987)			
42	Daeron, M., "Fc Receptor Biology" <u>Annual Review of Immunology</u> 15:203-234 (1997)			
43	de Haas et al., "Fc _y receptors of phagocytes" <u>J. of Laboratory Clinical Medicine</u> 126:330-341 (1995)			
44	Deisenhofer, J., "Crystallographic Refinement and Atomic Models of a Human Fc fragment and Its Complex with Fragment B of Protein A from Staphylococcus aureus at 2.9- and 2.8-A Resolution" <u>Biochemistry</u> 20(9):2361-2370 (1981)			
45	Duncan and Winter, "The binding site for Clq on IgG" <u>Nature</u> 332:738-740 (Apr 21, 1988)			
46	Duncan et al., "Localization of the binding site for the human high-affinity FC receptor on IgG" <u>Nature</u> 332:563-564 (April 7, 1988)			
Examiner <i>David A. Saunders</i>	Date Considered <i>6/7/04</i>			
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				



FORM PTO-1449 PATENT & TRADEMARK OFFICE LIST OF DISCLOSURES BY APPLICANT (Use several sheets if necessary)	U.S. Dept. of Commerce Patent and Trademark Office	Atty Docket No. P1726R1P1	Serial No. 09/711,415
		Applicant Presta, L.	RECEIVED TELETYPE MAR 23 2001 1653
		Filing Date 15 Nov 2000	Group 1653

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

47	Gazzano-Santoro et al., "A non-radioactive complement-dependent cytotoxicity assay for anti-CD20 monoclonal antibody" <u>Journal of Immunological Methods</u> 202:163-171 (1997)
48	Gergely et al., "Fc receptors on lymphocytes and K cells" <u>Biochemical Society Transactions</u> 12(5):739-743 (Oct 1984)
49	Ghebrehiwet et al., "Isolation, cDNA cloning, and overexpression of a 33-kD cell surface glycoprotein that binds to the globular "heads" of Clq" <u>Journal of Experimental Medicine</u> 179(6):1809-1821 (Jun 1, 1994)
50	Ghetie and Ward, "FcRn: the MHC class I-related receptor that is more than an IgG transporter" <u>Immunology Today</u> 18(12):592-593 (Dec 1997)
51	Ghetie et al., "Abnormally short serum half lives of IgG in $\beta 2$ -microglobulin-deficient mice" <u>European Journal of Immunology</u> 26(3):690-696 (Mar 1996)
52	Ghetie et al., "Increasing the serum persistence of an IgG fragment by random mutagenesis" <u>Nature Biotechnology</u> 15(7):637-640 (Jul 1997)
53	Gorman et al., "Transient Production of Proteins Using an Adenovirus Transformed Cell Line" <u>DNA Prot Eng. Tech.</u> 2(1):3-10 (1990)
54	Graham et al., "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5" <u>J Gen. Virol.</u> 36:59-74 (1977)
55	Greenwood et al., "Engineering multiple-domain forms of the therapeutic antibody CAMPATH-1H: effects on complement lysis" <u>Therapeutic Immunology</u> 1(5):247-255 (Oct 1994)
56	Greenwood et al., "Structural motifs involved in human IgG antibody effector functions" <u>European Journal of Immunology</u> 23(5):1098-1104 (May 1993)
57	Guddat et al., "Three-dimensional structure of a human immunoglobulin with a hinge deletion" <u>PNAS (USA)</u> 90:4271-4275 (1993)
58	Haagen et al., "Interaction of Human Monocyte Fc γ Receptors with Rat IgG2b: A New Indicator for the Fc γ RIIa (R-H131) Polymorphism" <u>J. Immunol.</u> 154:1852-1860 (1995)
59	Hadley et al., "The functional activity of Fc γ RII and Fc γ RIII on subsets of human lymphocytes" <u>Immunology</u> 76(3):446-451 (Jul 1992)
60	Harris et al., "Crystallographic Structure of an Intact IgG1 Monoclonal Antibody" <u>Journal of Molecular Biology</u> 275:861-872 (1998)
61	Harris et al., "Refined Structure of an Intact IgG2a Monoclonal Antibody" <u>Biochemistry</u> 36:1581-1597 (1997)
62	Hatta et al., "Association of Fc γ receptor IIIB, but not of Fc γ receptor IIA and IIIA, polymorphisms with systemic lupus erythematosus in Japanese" <u>Genes and Immunity</u> 1:53-60 (1999)
63	Heiken et al., "T lymphocyte development in the absence of Fc ϵ receptor IV subunit: analysis of thymic-dependent and independent $\alpha\beta$ and $\gamma\delta$ pathways" <u>European Journal of Immunology</u> 26(8):1935-1943 (Aug 1996)
64	Henry et al., "Participation of the N-terminal region of C63 in the binding of human IgE to its high-affinity receptor FcERI" <u>Biochemistry</u> 36:15568-15578 (1997)
65	Hogarth et al., "Characterization of FcR Ig-binding sites and epitope mapping" <u>Immunomethods</u> 4(1):17-24 (Feb 1994)
66	Huijzinga et al., "Binding Characteristics of Dimeric IgG Subclass Complexes to Human Neutrophils" <u>Journal of Immunology</u> 142:2359-2364 (1989)

Examiner

David A. Saueress

Date Considered

6/7/04

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 MAR 23 2001

MAR 23 2011

1C
82

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.
P1726R1P1

—
—

~~LIST OF DISCLOSURES MADE BY APPLICANT~~

(Use several sheets if necessary)

P1726R1P1

Applicant
Presta, L.

Filing Date
15 Nov 2000

Serial No.

Box 713

Group

161

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

July

67 Hulett et al., "Chimeric Fc Receptors Identify Functional Domains of the Murine High Affinity Receptors for IgG" J. Immunol. 147:1863-1868 (1991)

68 Jaakkola et al., "In vivo detection of vascular adhesion protein-1 in experimental inflammation" American Journal of Pathology 157(2):463-471 (Aug 2000)

69 Janeway et al. Immunobiology. The Immune System in Health and Disease. CB Ltd and Garland Publishing Inc., NY & London (1994), PAGES 329 - 330.

70 Jeffries et al., "Molecular Definition of Interaction Sites on Human IgG for Fc Receptors (huFc γ R)" Molecular Immunology 27(12):1237-1240 (1990)

~~71 Fabat Sequences of Proteins of Immunological Interest. US Dept of Health and Human Services, NIH, 5th edition, Bethesda, MD (1991)~~

72 Fabat, E. et al. Sequences of Proteins of Immunological Interest (pgs. 569, 671, 687, 693), 5th edition, Bethesda, MD:NIH Vol. 1 (1991)

73 Kim et al., "Catabolism of the Murine IgG1 Molecule Evidence That Both CH2-CH3 Domain Interfaces are Required for Persistence of IgG1 in the Circulation of Mice" Scandinavian Journal of Immunology 40(4):457-465 (1994)

74 Kim et al., "Identifying amino acid residues that influence plasma clearance of murine IgG1 fragments by site-directed mutagenesis" European Journal of Immunology 24:542-548 (1994)

75 Kim et al., "Inhibition of Vascular Endothelial Growth Factor-Induced Angiogenesis Suppresses Tumour Growth in vivo" Nature 362:841-844 (1993)

76 Kim et al., "Localization of the site of the murine IgG1 molecule that is involved in binding to the murine intestinal Fc receptor" European Journal of Immunology 24:2429-2434 (1994)

77 Kim et al., "The Vascular Endothelial Growth Factor Proteins: Identification of Biologically Relevant Regions by Neutralizing Monoclonal Antibodies" Growth Factors 7(1):53-64 (1992)

78 Koene et al., "Fc γ RIIIa-158V/F Polymorphism Influences the Binding of the IgG by Natural Killer Cell Fc γ RIIIa, Independently of the Fc γ RIIIa-48L/R/H Phenotype" Blood 90(3):1109-1114 (1997)

79 Funkel, T., "Rapid and Efficient Site-Specific Mutagenesis Without Phenotypic Selection" Proc. Natl. Acad. Sci. 82:488-492 (1985)

80 Lauvraak et al., "Identification and characterisation of C1q-binding phage displayed peptides" Biological Chemistry 378(12):1509-1519 (Dec 1997)

81 Lehrnbecher et al., "Variant genotypes of Fc γ RIIIA influence the development of Kaposi's sarcoma in HIV-infected men" Blood 95(7):2386-2390 (2000)

82 Lehrnbecher et al., "Variant genotypes of the low-affinity Fc γ receptors in two control populations and a review of low-affinity Fc γ receptor polymorphisms in control and disease populations" Blood 94(12):4220-4232 (Dec 15, 1999)

83 Li et al., "Reconstitution of human Fc γ RIII cell type specificity in transgenic mice" Journal of Experimental Medicine 183(3):1259-1263 (Mar 1, 1996)

84 Lifely et al., "Glycosylation and biological activity of CAMPATH-1H expressed in different cell lines and grown under different culture conditions" Glycobiology 5(8):813-822 (Dec 1995)

85 Lorenz et al., "Strong association between the responder status of the Fc γ II receptor and recurrent spontaneous abortion" European Journal of Immunogenetics 22(5):397-401 (Oct 1995)

86 Lucas et al., "High-level production of recombinant proteins in CHO cells using a dicistronic DHFR intron expression vector" Nucleic Acids Research 24(9):1774-1779 (1996)

Examiner

David A. Saunders

Date Considered

6/7/04

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

O P E R A T I O N S

Sheet 5 of 8

FORM PTO-144 MAR 23 2001 STANT & TILTON, INC.	U.S. Dept. of Commerce Patent and Trademark Office	Atty Docket No. P172ER1P1	Serial No. 09/710,425
LIST OF DISCLOSURES SPECIFIED BY APPLICANT (Use several sheets if necessary)		Applicant Presta, L.	RECEIVED MAY 26 2001 165
		Filing Date 15 Nov 2000	Group 165

OTHER DISCLOSURES (including Author, Title, Date, Pertinent Pages, etc.)

87	Lund et al., "Human Fc γ RI and Fc γ RII interact with distinct but overlapping sites on human IgG" <u>Journal of Immunology</u> 147(8):2657-2662 (Oct 15, 1991)
88	Lund et al., "Multiple binding sites on the C α 2 domain of IgG for mouse Fc γ III" <u>Molecular Immunology</u> 29(1):53-59 (Jan 1992)
89	Lund et al., "Multiple Interactions of the IgG with Its Core Oligosaccharide Can Modulate Recognition by Complement and Human Fc Receptor I and Influence the Synthesis of Its Oligosaccharide Chains" <u>J. Immunol.</u> 157:4963-4969 (1996)
90	Lund et al., "Oligosaccharide-protein interactions in IgG can modulate recognition by Fc γ receptors" <u>FASEB Journal</u> 9:115-119 (1995)
91	Medesan et al., "Comparative studies of rat IgG to further delineate the Fc:FcRN interaction site" <u>European Journal of Immunology</u> 28:2092-2100 (1998)
92	Medesan et al., "Delineation of the amino acid residues involved in transcytosis and catabolism of mouse IgG1" <u>Journal of Immunology</u> 158(5):2211-2217 (Mar 1, 1997)
93	Medesan et al., "Localization of the site of the IgG molecule that regulates maternofetal transmission in mice" <u>European Journal of Immunology</u> 26(10):2533-2536 (Oct 1996)
94	Meng et al., "Green fluorescent protein as a second selectable marker for selection of high producing clones from transfected CHO cells" <u>Gene</u> 242:201-207 (2000)
95	Miller et al., "A Novel Role for the Fc Receptor γ Subunit: Enhancement of the Fc γ R Ligand Affinity" <u>Journal of Experimental Medicine</u> 183:2227-2233 (1996)
96	Morgan et al., "The N-terminal end of the C α 2 domain of chimeric human IgG1 anti-HLA-DR is necessary for Clq, Fc γ RI and Fc γ RIII binding" <u>Immunology</u> 86(2):319-324 (Oct 1995)
97	Morrison et al., "Structural Determinants of Human IgG Function" <u>Immunologist</u> 2:119-124 (1994)
98	Nagarajan et al., "Ligand binding and phagocytosis by CD16 (Fc γ receptor III) isoforms. Phagocytic signaling by associated ζ and γ subunits in Chinese hamster ovary cells" <u>Journal of Biological Chemistry</u> 270(43):25762-25770 (Oct 27, 1995)
99	Ngo et al., "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox" <u>The Protein Folding Problem and Tertiary Structure Prediction</u> , Merz & Le Grand, Boston:Birkhauser pps. 491-495 (1994)
100	Nieto et al., "Involvement of the Fc γ receptor IIIA genotypes in susceptibility to rheumatoid arthritis" <u>Arthritis and Rheumatism</u> 43(4):735-739 (2000)
101	Okada et al., "Cutting Edge: Role of the inositol phosphatase SHIP in B cell receptor-induced Ca $^{2+}$ oscillatory response" <u>Journal of Immunology</u> 161(10):5129-5132 (Nov 15, 1998)
102	Ono et al., "Deletion of SHIP or SHP-1 reveals two distinct pathways for inhibitory signaling" <u>Cell</u> 90(2):293-301 (Jul 25, 1997)
103	Ono et al., "Role of the inositol phosphatase SHIP in negative regulation of the immune system by the receptor Fc γ IIIB" <u>Nature</u> 383(6597):263-266 (Sep 19, 1996)
104	Papac et al., "A high-throughput microscale method to release N-linked oligosaccharide from glycoproteins for matrix-assisted laser desorption/ionization time-of-flight mass spectrometric analysis" <u>Glycobiology</u> 8(5):445-454 (1998)
105	Papac et al., "Analysis of Acidic Oligosaccharides and Glycopeptides by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry" <u>Anal. Chem.</u> 68:3215-3223 (1996)
106	Popov et al., "The stoichiometry and affinity of the interaction of murine Fc fragments with the MHC class I-related receptor, FcRn" <u>Molecular Immunology</u> 33(6):521-530 (Apr 1996)

Examiner

David J. Scamman

Date Considered

6/7/04

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

O P T
M A R 2 3 2 0 0 1
U. S. Patent & Trademark Office

FORM PTO-1449	U.S. Dept. of Commerce Patent and Trademark Office	Atty Docket No. P1726R1P1	Serial No. 09/713,25
LIST OF DISCLOSURES BY APPLICANT (Use several sheets if necessary)		Applicant Presta, L.	
		Filing Date 15 Nov 2000	Group 653

*RECEIVED
MAR 6 2001
USPTO*

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

107	Porges et al., "Novel Fcγ Receptor I Family Gene Products in Human Mononuclear Cells" <i>J. Clin. Invest.</i> 90:2102-2109 (1992)
108	Presta et al., "Humanization of an Anti-Vascular Endothelial Growth Factor Monoclonal Antibody for the Therapy of Solid Tumors and Other Disorders" <i>Cancer Research</i> 57(20):4593-4599 (Oct 15, 1997)
109	Raghavan and Bjorkman, "Fc Receptors and their Interactions with Immunoglobulins" <i>Annu. Rev. Cell. Dev. Biol.</i> 12:181-220 (1996)
110	Eaghavan et al., "Analysis of the pH dependence of the neonatal Fc receptor/immunoglobulin G interaction using antibody and receptor variants" <i>Biochemistry</i> 34(45):14649-14657 (Nov 14, 1995)
111	Favetch and Clynes, "Divergent roles for Fc receptors and complement in vivo" <i>Annual Review of Immunology</i> 16:421-432 (1998)
112	Favetch and Kinet, "Fc Receptors" <i>Annual Review of Immunology</i> 9:457-492 (1991)
113	Favetch, J., "Fc receptors" <i>Current Opinion in Immunology</i> 9(1):121-125 (Feb 1997)
114	Favetch, J., "Fc receptors: rubor redux" <i>Cell</i> 78(4):553-560 (Aug 26, 1994)
115	Reff et al., "Depletion of B cells in vivo by a chimeric mouse human monoclonal antibody to CD20" <i>Blood</i> 83(2):435-445 (Jan 15, 1994)
116	Sarmay et al., "Ligand inhibition studies on the role of Fc receptors in antibody-dependent cell-mediated cytotoxicity" <i>Molecular Immunology</i> 21(1):43-51 (Jan 1984)
117	Sarmay et al., "Mapping and comparison of the interaction sites on the Fc region of IgG responsible for triggering antibody dependent cellular cytotoxicity (ADCC) through different types of human Fcγ receptor" <i>Molecular Immunology</i> 29(5):633-639 (May 1992)
118	Sensei et al., "Amino acid differences in the N-terminus of C _h 2 influence the relative abilities of IgG2 and IgG3 to activate complement" <i>Molecular Immunology</i> 34(14):1019-1029 (Oct 1997)
119	Shores et al., "T cell development in mice lacking all T cell receptor ζ family members (ζ, η, and FcεRIγ)" <i>Journal of Experimental Medicine</i> 187(7):1093-1101 (Apr 6, 1998)
120	Sondermann et al., "Crystal structure of the soluble form of the human Fcγ-receptor IIb: a new member of the immunoglobulin superfamily at 1.7 Å resolution" <i>EMBO Journal</i> 18(5):1095-1103 (1999)
121	Sondermann et al., "The 32-Å crystal structure of the human IgG1 Fc Fragment-FcγRIII complex" <i>Nature</i> 406:267-273 (2000)
122	Strohmeier et al., "Neutrophil functional responses depend on immune complex valency" <i>Journal of Leukocyte Biology</i> 58(4):403-414 (Oct 1995)
123	Strohmeier et al., "Role of the FcγR subclasses FcγRII and FcγRIII in the activation of human neutrophils by low and high valency immune complexes" <i>Journal of Leukocyte Biology</i> 58(4):415-422 (Oct 1995)
124	Suzuki et al., "Distinct contribution of Fc receptors and angiotensin II-dependent pathways in anti-GBM glomerulonephritis" <i>Kidney International</i> 54(4):1166-1174 (Oct 1998)
125	Sylvestre and Favetch, "A dominant role for mast cell Fc receptors in the Arthus reaction" <i>Immunity</i> 5(4):387-390 (Oct 1996)
126	Sylvestre and Favetch, "Fc receptors initiate the Arthus reaction: redefining the inflammatory cascade" <i>Science</i> 265(5175):1095-1098 (Aug 19, 1994)

Examiner *David A Saunders* Date Considered *6/7/04*

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 MAR 23 2001 PATENT & TRADEMARK OFFICE		U.S. Dept. of Commerce Patent and Trademark Office	Atty Docket No. P1726R1PT	Serial No. 09/713,425
LIST OF DISCLOSURES CITED BY APPLICANT (Use several sheets if necessary)		Applicant Presta, L.C.	Filing Date 15 Nov 2000	Group 163
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)				
127	Sylvestre et al., "Immunoglobulin G-mediated inflammatory responses develop normally in complement-deficient mice" <u>Journal of Experimental Medicine</u> 184(6):2385-2392 (Aug 1, 1996)			
128	Takai et al., "Augmented humoral and anaphylactic responses in Fc γ II-deficient mice" <u>Nature</u> 379(6563):346-349 (Jan 25, 1996)			
129	Takai et al., "FcR γ chain deletion results in pleiotrophic effector cell defects" <u>Cell</u> 76(3):519-529 (Feb 11, 1994)			
130	Carron et al., "The IgG binding site of human Fc γ RIIB receptor involves CC' and FG loops of the membrane-proximal domain" <u>Journal of Biological Chemistry</u> 271(7):3659-3666 (Feb 16, 1996)			
131	Tao et al., "Structural features of human immunoglobulin G that determine isotype-specific differences in complement activation" <u>Journal of Experimental Medicine</u> 178(2):661-667 (Aug 1, 1993)			
132	Tao et al., "Studies of aglycosylated chimeric mouse-human IgG: Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region" <u>Journal of Immunology</u> 143(8):2595-2601 (Oct 15, 1989)			
133	Tao et al., "The differential ability of human IgG1 and IgG4 to activate complement is determined by the COOH-terminal sequence of the C μ 2 domain" <u>Journal of Experimental Medicine</u> 173(4):1025-1028 (Apr 1991)			
134	Tax et al., "Fc receptors for mouse IgG1 on human monocytes: polymorphism and role in antibody-induced T cell proliferation" <u>Journal of Immunology</u> 133(3):1185-1189 (Sep 1984)			
135	Ting et al., "Fc γ receptor activation induces the tyrosine phosphorylation of both phospholipase C (PLC)- γ 1 and PLC- γ 2 in natural killer cells" <u>Journal of Experimental Medicine</u> 176(6):1751-1755 (Dec 1, 1992)			
136	Umara et al., "Engineered glycoforms of an antineuroblastoma IgG1 with optimized antibody-dependent cellular cytotoxic activity" <u>Nature Biotechnology</u> 17:176-180 (1999)			
137	Urfer et al., "High resolution mapping of the binding site of TrkA for nerve growth factor and TrkB for neurotrophin-3 on the second immunoglobulin-like domain of the Trk receptors" <u>Journal of Biological Chemistry</u> 273(10):5829-5840 (Mar 6, 1998)			
138	Van de Winkel and Anderson, "Biology of human immunoglobulin G Fc receptors" <u>Journal of Leukocyte Biology</u> 49(5):511-524 (May 1991)			
139	Vance et al., "Binding of monomeric human IgG defines an expression polymorphism of Fc γ RIII on large granular lymphocyte/natural killer cells" <u>Journal of Immunology</u> 151(11):6429-6439 (Dec 1, 1993)			
140	Ward and Ghetie, "The effector functions of immunoglobulins: implications for therapy" <u>Therapeutic Immunology</u> 2(2):77-94 (1995)			
141	Warmerdam et al., "A single amino acid in the second Ig-like domain of the human Fc γ receptor II is critical for human IgG2 binding" <u>Journal of Immunology</u> 147(4):1338-1343 (Aug 15, 1991)			
142	Weng et al., "Computational determination of the structure of rat Fc bound to the neonatal Fc receptor" <u>Journal of Molecular Biology</u> 282(2):217-225 (Sep 18, 1998)			
143	Werther et al., "Humanization of an Anti-Lymphocyte Function-Associated Antigen (LFA)-1 Monoclonal Antibody and Reengineering of the Humanized Antibody for Binding to Rhesus LFA-1" <u>J. of Immunology</u> 157:4986-4995 (1996)			
144	Woof et al., "Localisation of the monocyte-binding region on human immunoglobulin G" <u>Molecular Immunology</u> 23(3):319-330 (Mar 1986)			
145	Wright and Morrison, "Effect of altered C μ 2-associated carbohydrate structure on the functional properties and in vivo fate of chimeric mouse-human immunoglobulin G1" <u>Journal of Experimental Medicine</u> 180(3):1087-1096 (Sep 1, 1994)			
146	Wu et al., "A novel polymorphism of Fc γ RIIa (CD16) alters receptor function and predisposes to autoimmune disease" <u>Journal of Clinical Investigation</u> 100(5):1059-1070 (Sep 1, 1997)			
Examiner	<i>Daniela Sculender</i>		Date Considered	<i>6/7/04</i>
'Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.'				

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's copy

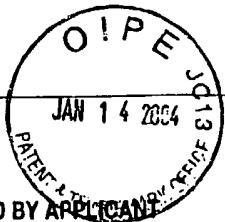
Sheet 1 of 1

FORM PTO-1449		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. P1726R1P1	Serial No. 09/713,425	
				Applicant Presta, L.		
				Filing Date 15 Nov 2000	Group 1644	
U.S. PATENT DOCUMENTS						
Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date
162	2003/0158389	21.08.03	Idusogie et al.	530	387.1	
Examiner <i>David A Saunders</i>				Date Considered <i>6/7/04</i>		
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

applicant's copy

Sheet 1 of 1

FORM PTO-1449



U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.
P1726R1P1

Serial No.
09/713,425

Applicant
Presta, L.

Filing Date
15 Nov 2000

Group
1644

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date
163	2004/0002587	01.01.04	Watkins et al.	530	388.15	

Examiner

David A Saunders

Date Considered

6/7/04

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

applicant's copy
Sheet 1 of 1

FORM PTO-1449				U.S. Dept. of Commerce Patent and Trademark Office	Atty Docket No. P1726R1P1	Serial No. 09/713,425
				Applicant Presta, L.		
				Filing Date 15 Nov 2000	Group 1644	
LIST OF DISCLOSURES CITED BY APPLICANT (Use several sheets if necessary)						
U.S. PATENT DOCUMENTS						
Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date
<i>Jelly</i>	159	6,538,124	25.03.03	Idusogie et al.		
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)						
<i>dsb</i>	160	Kabat et al. Sequences of Proteins of Immunological Interest (Table of Contents, Introduction and Constant Region Sequences sections), 5th edition, Bethesda, MD:NIH Vol. 1:iii-xcvi and 647-723 (1991)				
<i>dsb</i>	161	Steplewski et al., "Biological activity of human-mouse IgG1, IgG2, IgG3, and IgG4 chimeric monoclonal antibodies with antitumor specificity" Proc. Natl. Acad. Sci. USA 85(13):4852-4856 (Jul 1988)				
<p style="text-align: right;"><i>RECEIVED</i> <i>AUG 26 2003</i> <i>TECH CENTER 1600</i></p>						
Examiner	<i>Dawn A Saunders</i>			Date Considered <i>6/7/04</i>		
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						